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OUR 1964 GRADUATES  
10 YEARS LATER

COLLEGE OF ENGINEERING  
UNIVERSITY OF ILLINOIS  
AT URBANA-CHAMPAIGN

UNIVERSITY OF ILLINOIS  
AT URBANA-CHAMPAIGN

MAY 18 1977

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Since the Fall of 1956 the College of Engineering has been surveying its graduates who have completed ten years of industrial experience. Much valuable data has been gathered during this period of time and the reports that have been issued have met with widespread acceptance among our graduates and among those governmental and industrial employers who visit our campus to hire graduates. However, some publications have a way of outliving their usefulness.

I would be especially interested in receiving comments from the members of the Class of 1964 concerning the usefulness of this report. Should the report be continued in its present form or should it be continued at all? How can the report be altered to improve its usefulness to our graduates?

Those industrial and governmental recruiters visiting the Engineering Placement Office and picking up copies of these reports are encouraged to give us their reactions to the report. In these times of rising costs, we want to make doubly sure that we are producing useful and needed documents.

Very truly yours,

A handwritten signature in dark ink, appearing to read "D. R. Opperman". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

D. R. Opperman, Director  
Engineering Placement and  
Cooperative Education  
College of Engineering  
University of Illinois  
Urbana, Illinois 61801



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TEN-YEAR SALARY PROGRESS OF ENGINEERING GRADUATES WHO RECEIVED A B.S. DEGREE IN 1964

	Number of Graduates	Number of Questionnaires Returned	Military Service	Currently in Graduate School	Number Unemployed	Number Employed	Average Monthly Salary -- 1974	High Monthly Salary -- 1974	Low Monthly Salary -- 1974	Average Starting Salary -- 1964	Percent of Increase -- 1964-1974
All Engineers	756 <sup>1</sup>	371	3.5% 13	.5% 2	.5% 2	95.5% 354	\$1789.	\$6400.	\$ 520.	\$ 616. <sup>2</sup>	190.42%
Aero. E.	46	20	1	1	-	18	1722.	2300.	1000.	642.	168.22%
Ag. E.	9	6	-	-	-	6	1799.	2350.	1400.	552.	225.90%
Ceram. E.	27	16	1	-	1	14	1678.	2300.	1166.	635.	164.25%
Civil E.	133	72	4	-	-	68	1785.	4000.	1000.	599.	197.99%
Elec. E.	267	122	3	1	-	118	1815.	6400.	520.	624.	190.86%
E. Mech.	19	9	-	-	-	9	1818.	2900.	1413.	608.	199.01%
E. Phys.	43	17	-	-	1	16	1675.	2208.	1000.	700.	139.29%
Gen. E.	28	17	1	-	-	16	1848.	4000.	1345.	611.	202.45%
Ind. E.	38	21	1	-	-	20	1778.	2600.	1000.	607.	192.91%
Mech E.	123	62	2	-	-	60	1781.	4000.	1185.	620.	187.26%
Met. E.	17	7	-	-	-	7	2032.	3000.	1435.	610.	233.11%
Min. E.	6	2	-	-	-	2	1527.	1600.	1455.	550.	177.63%

<sup>1</sup> 119 alumni were not contacted (foreign students, deceased graduates, and others for whom addresses were unavailable).  
<sup>2</sup> The average starting salary for the May 1974 graduates was \$1000 per month.

SALARY COMPARISON FIGURES OF THOSE GRADUATES WHO HAVE COMPLETED AN ADVANCED DEGREE SINCE 1964 AND THOSE WHO HAVE NOT<sup>1</sup>

	Total Employed	No Advanced Degree	M.S. in Original Field	M.S. in Other Technical Field	M.S. in Non- Technical Field	Ph.D. in Original Field	Ph.D. in Other Technical Field	Ph.D. in Non- Technical Field	M.B.A.	Law Degree	Other
All Engineers Average Salary	354 \$1789.	152 \$1810.	84 \$1721.	21 \$1597.	4 \$2035.	31 \$1763.	9 \$1664.	1 \$1800.	43 \$1945.	6 \$1868.	3 \$1970.
Aero. & Astro. Eng. Average Salary	18 1722.	3 1659.	5 1814.	3 1550.	- -	3 2068.	2 1775.	- -	2 1270.	- -	- -
Agricultural Eng. Average Salary	6 1799.	3 1655.	1 1750.	- -	- -	- -	1 1730.	- -	1 2350.	- -	- -
Ceramic Eng. Average Salary	14 1678.	3 1687.	7 1697.	- -	- -	- -	- -	- -	3 1686.	1 1500.	- -
Civil Eng. Average Salary	68 1785.	34 1779.	17 1664.	2 1333.	- -	3 1528.	1 2000.	- -	9 2051.	- -	2 2455.
Electrical Eng. Average Salary	118 1815.	53 1811.	31 1724.	5 1682.	3 2136.	12 1838.	1 1200.	1 1800.	10 2135.	2 1950.	- -
Eng. Mechanics Average Salary	9 1818.	4 1960.	- -	1 1775.	- -	4 1687.	- -	- -	- -	- -	- -
Eng. Physics Average Salary	16 1675.	2 1871.	4 1512.	2 1450.	- -	5 1680.	2 1750.	- -	- -	1 2208.	- -
General Eng. Average Salary	16 1848.	12 1929.	- -	2 1410.	- -	- -	- -	- -	2 1801.	- -	- -
Industrial Eng. Average Salary	20 1778.	8 1845.	2 1747.	1 1500.	1 1730.	- -	1 1400.	- -	6 1947.	- -	1 1000.
Mechanical Eng. Average Salary	60 1781.	25 1779.	17 1800.	3 1767.	- -	3 1529.	1 1600.	- -	9 1855.	2 1800.	- -
Metal Eng. Average Salary	7 2032.	4 2058.	- -	1 1915.	- -	1 2075.	- -	- -	1 2000.	- -	- -
Mining Eng. Average Salary	2 1527.	1 1455.	- -	1 1600.	- -	- -	- -	- -	- -	- -	- -

<sup>1</sup>Of the 202 who completed an advanced degree, 126 (62.37%) completed the degree as a full-time student and 73 (36.14%) as a part-time student, while employed.



## 1964 GRADUATES PRESENTLY EMPLOYED AND WORKING ON ADVANCED DEGREES

	Total Working on Advanced Degrees	M.S. in Original Field	M.S. in Other Technical Field	M.S. in Non- Technical Field	Ph.D. in Original Field	Ph.D. in Other Technical Field	Ph.D. in Non- Technical Field	M.B.A.	Law Degree	Other
All Engineers	41	11	1	3	2	2	1	18	-	3
Aero. E.	1	-	1	-	-	-	-	-	-	-
Ag. E.	-	-	-	-	-	-	-	-	-	-
Ceram. E.	-	-	-	-	-	-	-	-	-	-
Civil E.	6	2	-	-	-	-	-	2	-	2
Elec. E.	17	5	-	2	-	1	1	7	-	1
E. Mech.	1	1	-	-	-	-	-	-	-	-
E. Phys.	3	1	-	-	1	1	-	-	-	-
Gen. E.	3	-	-	-	-	-	-	3	-	-
Ind. E.	3	1	-	-	-	-	-	2	-	-
Mech. E.	5	1	-	-	-	-	-	4	-	-
Met. E.	1	-	-	1	-	-	-	-	-	-
Min. E.	1	-	-	-	1	-	-	-	-	-

## CORRELATION BETWEEN SCHOLASTIC AVERAGE AND FINANCIAL PROGRESS 1964-1974

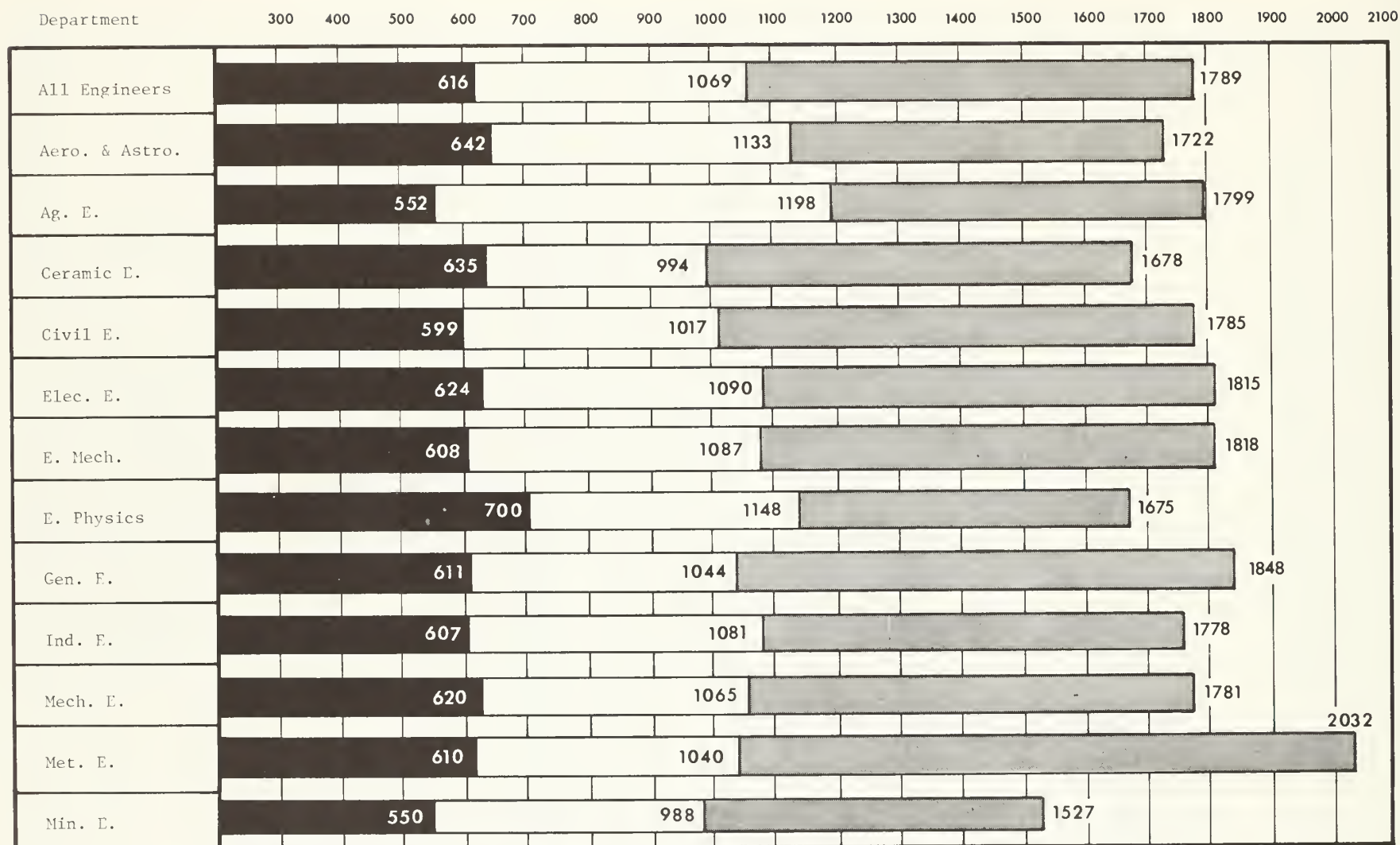
	Total Employed	1st Decile 5.000 - 4.378	2nd Decile 4.377 - 4.125	3rd Decile 4.124 - 3.968	4th Decile 3.967 - 3.810	5th Decile 3.809 - 3.655	6th Decile 3.654 - 3.528	7th Decile 3.527 - 3.432	8th Decile 3.431 - 3.316	9th Decile 3.315 - 3.159	10th Decile 3.158 - 3.000
All Engineers	354 \$1789.	36 \$1734.	36 \$1963.	36 \$1738.	36 \$1806.	35 \$1773.	35 \$1781.	35 \$1758.	35 \$1767.	35 \$1730.	35 \$1842.
Aero E.	18 1722.	1 2197.	5 1905.	1 1650.	- -	3 1490.	1 1900.	- -	3 1659.	2 1666.	2 1470.
Ag. E.	6 1799.	- -	1 1750.	- -	- -	- -	- -	1 1967.	1 1600.	1 1400.	2 2040.
Ceram. E.	14 1678.	- -	1 2100.	1 2300.	3 1775.	2 1763.	1 1166.	1 1230.	1 1800.	2 1473.	2 1555.
Civil E.	68 1785.	9 1688.	2 1625.	10 1849.	4 1637.	5 1638.	7 1770.	11 1957.	6 1899.	5 1517.	9 1867.
Elec. E.	118 1815.	14 1793.	13 2250.	13 1520.	18 1760.	13 1945.	10 1765.	10 1605.	9 1757.	9 1664.	9 2117.
E. Mech.	9 1818.	2 1737.	1 1600.	- -	2 2375.	2 1750.	1 1630.	- -	- -	1 1413.	- -
E. Phys.	16 1675.	4 1750.	3 1602.	4 1587.	2 1650.	1 1742.	- -	- -	1 1600.	1 2000.	- -
Gen. E.	16 1848.	- -	- -	1 1803.	- -	1 1385.	5 2063.	3 1760.	2 1760.	2 2015.	2 1620.
Ind. E.	20 1778.	1 1000.	2 1800.	1 2040.	3 2144.	3 1885.	4 1705.	1 1530.	4 1690.	1 1730.	- -
Mech. E.	60 1781.	4 1599.	8 1875.	5 2033.	3 1790.	5 1659.	6 1743.	8 1745.	6 1747.	9 1840.	6 1693.
Met. E.	7 2032.	1 2075.	- -	- -	- -	- -	- -	- -	2 1957.	2 2300.	2 1817.
Min. E.	2 1527.	- -	- -	- -	1 1600.	- -	- -	- -	- -	- -	1 1455.

### RANGE OF PRESENT SALARIES OF 1964 ENGINEERING GRADUATES

The monthly salaries are listed according to highest degree held in 1974.

<u>B.S. Degree</u>		<u>Salary</u>	<u>Total</u>	<u>Salary</u>	<u>Total</u>	<u>Salary</u>	<u>Total</u>	<u>Salary</u>	<u>Total</u>	<u>Salary</u>	<u>Total</u>	<u>Salary</u>	<u>Total</u>
		\$1677	1	\$1400	6	\$1800	6	\$1446	1	\$1585	1	\$1500	1
<u>Salary</u>	<u>Total</u>	1670	1	1374	1	1785	1	1435	1	1500	2	1450	1
\$6400	1	1666	1	1365	1	1775	1	1425	1	1400	3	1416	1
4000	3	1660	2	1360	1	1760	1	1420	1	1300	1	1400	1
3200	1	1652	1	1350	1	1750	4	1410	1	1262	1	1380	1
3000	4	1650	1	1345	1	1733	2	1408	1	1200	1	1230	1
2900	1	1632	1	1333	1	1730	1	1400	4		41	1200	1
2600	1	1630	1	1328	1	1711	1	1385	1			1000	1
2500	3	1625	1	1310	1	1703	1	1378	1				43
2450	1	1620	1	1309	1	1700	1	1352	1	<u>M.B.A. Degree</u>			
2349	1	1611	1	1300	1	1690	1	1300	2	<u>Salary</u>	<u>Total</u>	<u>Law Degree</u>	
2333	1	1600	4	1275	1	1676	1	1250	1	\$5000	1	<u>Salary</u>	<u>Total</u>
2250	1	1596	1	1265	1	1667	2	1187	1	3600	1	\$2208	1
2225	1	1583	1	1233	1	1666	1	1166	1	2600	1	2000	2
2200	2	1580	3	1200	1	1665	1	1000	2	2500	1	1900	1
2187	1	1575	1	1185	1	1660	2	520	1	2450	1	1600	1
2165	1	1570	1	1160	1	1654	1		110	2382	1	1500	1
2150	2	1560	2		151	1650	2	<u>Ph.D. Degree</u>					6
2120	1	1550	1			1643	1	<u>Salary</u>	<u>Total</u>	2350	1		
2100	2	1545	1	<u>M.S. Degree</u>		1641	1	\$2300	2	2300	1	<u>Other</u>	
2050	1	1542	1	<u>Salary</u>	<u>Total</u>	1640	1	2197	1	2250	1	<u>Salary</u>	<u>Total</u>
2000	8	1540	1	\$3750	1	1634	1	2075	1	2208	1	\$2660	1
1967	1	1537	1	3125	1	1630	1	2055	1	2200	1	2250	1
1950	1	1531	1	3000	1	1617	1	2000	4	2100	1	1000	1
1940	2	1530	1	2700	1	1610	1	1970	1	2040	2		3
1917	1	1525	3	2500	2	1600	5	1957	1	2000	5		
1900	3	1524	2	2200	2	1595	1	1900	2	1890	1		
1875	2	1520	1	2130	1	1576	1	1850	1	1803	1		
1856	1	1505	1	2100	3	1575	1	1825	1	1800	2		
1855	1	1500	10	2070	1	1560	1	1792	1	1775	1		
1850	2	1480	1	2042	1	1550	2	1745	1	1720	1		
1830	1	1475	1	2040	1	1541	1	1700	1	1690	1		
1785	1	1455	1	2017	1	1530	1	1755	1	1634	1		
1777	1	1450	2	2000	2	1525	1	1750	3	1633	1		
1750	5	1441	1	1915	2	1515	1	1733	1	1625	1		
1742	1	1435	1	1900	1	1503	1	1730	1	1585	1		
1740	1	1430	1	1850	1	1500	8	1707	1	1570	1		
1725	1	1425	2	1820	1	1476	1	1700	1	1541	1		
1716	2	1413	1	1802	1	1473	1	1650	1	1530	1		
1700	2	1410	1			1470	1	1643	1				
1694	1	1405	1			1455	1	1600	6				

## SALARY COMPARISON AT GRADUATION WITH SALARY FIVE AND TEN YEARS LATER



At graduation--1964      After 5 years--1969      After 10 years--1974



PRESENT GEOGRAPHIC LOCATION OF 1964 ENGINEERING GRADUATES

Location	All Engineers	Percent	Percentage Geographical Location in 1964	Aero. E.	Ag. E.	Ceram. E.	Civil E.	Elec. E.	E. Mech.	E. Phys.	Gen. E.	Ind. E.	Mech. E.	Met. E.	Min. E.
Illinois	130	36.72%	44.64%	-	-	1	34	36	3	6	7	8	32	3	-
California	55	15.54%	12.17%	9	-	1	12	24	1	1	1	2	3	1	-
Missouri	15	4.24%	6.09%	1	1	-	3	4	1	1	1	1	2	-	-
New York	15	4.24%	3.48%	-	2	2	2	4	-	2	-	1	1	1	-
Ohio	14	3.95%	3.48%	-	1	3	1	2	-	1	-	1	4	-	-
Michigan	13	3.67%	3.77%	1	-	2	3	2	1	-	1	-	3	-	-
Indiana	10	2.82%	2.90%	-	-	-	1	8	-	-	-	-	1	-	-
Wisconsin	9	2.54%	5.22%	-	-	1	1	4	-	-	1	-	2	-	-
Iowa	6	1.69%	1.45%	-	1	-	-	2	-	-	-	1	2	-	-
Minnesota	6	1.69%	.87%	-	-	-	-	4	1	-	-	-	1	-	-
Pennsylvania	6	1.69%	2.32%	-	-	-	-	2	-	-	1	-	2	1	-
Texas	6	1.69%	1.74%	-	1	-	-	3	-	-	-	1	1	-	-
Virginia	6	1.69%	.58%	1	-	-	-	3	-	-	2	-	-	-	-
Washington (State)	6	1.69%	1.74%	1	-	-	-	2	-	1	-	1	1	-	-
Arizona	5	1.41%	1.16%	-	-	-	-	4	-	-	-	-	1	-	-
New Jersey	5	1.41%	1.74%	-	-	1	1	2	-	1	-	-	-	-	-
Florida	4	1.13%	-	1	-	-	1	2	-	-	-	-	-	-	-
Maryland	4	1.13%	1.16%	1	-	1	-	2	-	-	-	-	-	-	-
Colorado	3	.85%	.58%	-	-	-	-	-	-	1	-	1	-	-	1
Connecticut	3	.85%	.87%	-	-	-	1	1	-	-	-	-	1	-	-
Georgia	3	.85%	-	-	-	-	-	1	-	-	1	1	-	-	-
Kansas	3	.85%	-	1	-	-	-	1	-	-	-	-	1	-	-
New Mexico	3	.85%	-	-	-	-	-	-	-	1	-	-	1	-	1
Alabama	2	.56%	.58%	1	-	-	-	-	1	-	-	-	-	-	-
Delaware	2	.56%	-	-	-	-	1	-	-	-	-	1	-	-	-
Massachusetts	2	.56%	.29%	1	-	-	-	1	-	-	-	-	-	-	-
North Carolina	2	.56%	-	-	-	-	1	1	-	-	-	-	-	-	-
Tennessee	2	.56%	.58%	-	-	-	-	1	-	-	-	1	-	-	-
West Virginia	2	.56%	.29%	-	-	1	-	-	-	-	-	-	-	1	-
Overseas	2	.56%	.29%	-	-	-	1	-	-	-	-	-	1	-	-
Alaska	1	.28%	-	-	-	1	-	-	-	-	-	-	-	-	-
Hawaii	1	.28%	.29%	-	-	-	-	1	-	-	-	-	-	-	-
Idaho	1	.28%	-	-	-	-	-	-	-	1	-	-	-	-	-
Kentucky	1	.28%	.29%	-	-	-	1	-	-	-	-	-	-	-	-
Louisiana	1	.28%	.58%	-	-	-	1	-	-	-	-	-	-	-	-
Mississippi	1	.28%	-	-	-	-	-	1	-	-	-	-	-	-	-
Oklahoma	1	.28%	-	-	-	-	1	-	-	-	-	-	-	-	-
Oregon	1	.28%	-	-	-	-	1	-	-	-	-	-	-	-	-
Rhode Island	1	.28%	-	-	-	-	-	-	1	-	-	-	-	-	-
South Carolina	1	.28%	-	-	-	-	1	-	-	-	-	-	-	-	-
Washington, D.C.	-	-	.87%	-	-	-	-	-	-	-	-	-	-	-	-
Totals	354	100.00%	100.00%	18	6	14	68	117	9	16	16	20	60	7	2



## THE EMPLOYED 1964 GRADUATES ARE NOW EMPLOYED BY THE FOLLOWING TYPES OF COMPANIES

Present Type of Company	All Engineers	Percent	1974 Average Salary	Aero. E.	Ag. E.	Ceram. E.	Civil E.	Elec. E.	E. Mech.	E. Phys.	Gen. E.	Ind. E.	Mech. E.	Met. E.	Min. E.
Aircraft, Missile, & Space	35	9.89%	\$1694.	9 \$1754.	-	-	3 \$1706.	17 \$1655.	1 \$1413.	1 \$1957.	1 \$2200.	1 \$1455.	2 \$1607.	-	-
Electronics	30	8.47%	\$1852.	1 \$1541.	-	-	1 \$1850.	22 \$1863.	-	1 \$2000.	-	3 1563.	1 1500.	1 3000.	-
Electrical Equipment	23	6.50%	1675.	-	-	1 1670.	3 1840.	8 1521.	-	1 1900.	2 1680.	3 1820.	4 1597.	1 2075.	-
Communications Equipment	20	5.65%	1751.	-	-	1 2200.	1 1531.	16 1695.	-	-	1 1500.	1 2333.	-	-	-
Consulting Engineers	21	5.65%	1698.	-	-	-	16 1724.	1 1500.	-	1 1643.	-	-	3 1625.	-	-
Heavy Equipment	20	5.65%	1837.	-	2 1683.	-	2 1908.	4 1703.	-	-	1 1400.	-	10 1915.	1 2200.	-
School	19	5.37%	1493.	-	-	-	4 1350.	7 1586.	1 1600.	3 1633.	-	1 1000.	2 1381.	-	1 1600.
Automobile & Automotive Equipment	16	4.52%	1797.	1 1600.	-	1 2100.	-	3 1647.	1 1700.	-	1 1830.	-	9 1843.	-	-
Construction & Building Materials	16	4.52%	2017.	-	-	-	10 1897.	2 1923.	1 1775.	-	1 4000.	1 2500.	1 1185.	-	-
Public Utilities	15	4.24%	1943.	-	-	-	3 1850.	5 1937.	2 2400.	-	2 1572.	1 2600.	2 1689.	-	-
Data Processing	14	3.95%	1907.	1 2070.	-	-	1 2600.	8 1801.	2 1740.	1 1650.	1 2500.	-	-	-	-
Federal Government	12	3.39%	1694.	2 1780.	1 1600.	-	2 1925.	1 1725.	1 1600.	2 1400.	-	2 1870.	-	-	1 1455.
Metal & Metal Products	11	3.11%	1588.	-	-	1 1530.	-	-	-	-	1 1385.	-	6 1506.	3 1838.	-
Research Laboratory	11	3.11%	1751.	1 2300.	-	1 1950.	-	4 1741.	-	2 1500.	1 1435.	-	2 1808.	-	-

(Continued on following page.)

THE EMPLOYED 1964 GRADUATES ARE NOW EMPLOYED BY THE FOLLOWING TYPES OF COMPANIES (Continued)

Present Type of Company	All Engineers	Percent	1974 Average Salary	Aero. E.	Ag. E.	Ceram. E.	Civil E.	Elec. E.	E. Mech.	E. Phys.	Gen. E.	Ind. E.	Mech. E.	Met. E.	Min. E.
State Government	10	2.82%	\$1591.	-	-	-	8 \$1536.	1 \$1416.	-	1 \$2208.	-	-	-	-	-
City & Country Governments	9	2.54%	1516.	1 \$1400.	-	1 \$1446.	7 1542.	-	-	-	-	-	-	-	-
Controls & Instrumentation	9	2.54%	1692.	-	-	-	-	8 1638.	-	-	1 \$2120.	-	-	-	-
Chemicals & Chemical Products	8	2.26%	1623.	-	-	-	-	1 1450.	-	1 1742.	2 1574.	2 \$1650.	2 \$1675.	-	-
Food	8	2.26%	1943.	-	-	-	1 1600.	1 2150.	-	-	-	4 1822.	2 2252.	-	-
Glass, Ceramics, Refractories	7	1.98%	1558.	-	-	6 1468.	-	1 2100.	-	-	-	-	-	-	-
Investment Company	7	1.98%	2464.	1 1000.	1 \$2350.	1 2300.	1 3600.	1 2000.	-	1 2000.	-	-	1 4000.	-	-
Heating & Air Conditioning	4	1.13%	3368.	-	-	-	-	2 4800.	-	-	-	-	2 1937.	-	-
Petroleum	3	.85%	1744.	1 1733.	-	-	2 1750.	-	-	-	-	-	-	-	-
Mechanical Equipment	3	.85%	1663.	-	-	-	-	-	-	-	-	-	3 1663.	-	-
Merchandising & Retailing	3	.85%	2833.	-	-	-	1 4000.	2 2250.	-	-	-	-	-	-	-
Law	2	.56%	1750.	-	-	1 1500.	-	-	-	-	-	-	1 2000.	-	-
Agricultural	2	.56%	1722.	-	1 1750.	-	-	-	-	-	-	-	1 1694.	-	-
Tire & Rubber	2	.56%	1615.	-	1 1730.	-	-	-	-	-	-	-	1 1500.	-	-
Paper	2	.56%	1500.	-	-	-	1 1800.	-	-	-	-	1 1200.	-	-	-

(Continued on following page.)



THE EMPLOYED 1964 GRADUATES ARE NOW EMPLOYED BY THE FOLLOWING TYPES OF COMPANIES (Continued)

Present Type of Company	All Engineers	Percent	1974 Average Salary	Aero. E.	Ag. E.	Ceram. E.	Civil E.	Elec. E.	E. Mech.	E. Phys.	Gen. E.	Ind. E.	Mech. E.	Met. E.	Min. E.
Medical Products & Instruments	1	.28%	\$1583.	-	-	-	-	-	-	-	-	-	1 \$1583.	-	-
Plastics	1	.28%	1400.	-	-	-	-	1 \$1400.	-	-	-	-	-	-	-
Management Consulting	1	.28%	2100.	-	-	-	-	-	-	-	-	-	1 2100.	-	-
Real Estate	1	.28%	1000.	-	-	-	-	-	-	1 \$1000.	-	-	-	-	-
Mining Equipment	1	.28%	1500.	-	-	-	-	-	-	-	-	-	1 1500.	-	-
Information Services	1	.28%	2000.	-	-	-	-	1 2000.	-	-	-	-	-	-	-
Warehouse	1	.28%	5000.	-	-	-	-	1 5000.	-	-	-	-	-	-	-
Environmental	1	.28%	1825.	-	-	-	-	-	-	-	-	-	1 1825.	-	-
Signal Equipment	1	.28%	1550.	-	-	-	-	-	-	-	1 \$1500.	-	-	-	-
Certified Public Accounting	1	.28%	2250.	-	-	-	-	-	-	-	-	-	1 2250.	-	-
Packaging	1	.28%	1435.	-	-	-	-	-	-	-	-	-	-	1 \$1435.	-
Banking	1	.28%	2000.	-	-	-	1 \$2000.	-	-	-	-	-	-	-	-
Totals Average Salary	354	100.00%	\$1789.	18 \$1722.	6 \$1799.	14 \$1678.	68 \$1785.	118 \$1815.	9 \$1818.	16 \$1675.	16 \$1848.	20 \$1778.	60 \$1781.	7 \$2032.	2 \$1527.

SIZE OF ORGANIZATIONS IN WHICH THE 1964 GRADUATES ARE NOW EMPLOYED

Total Employed	All Engineers	Aero. E.	Ag. E.	Ceram. E.	Civil E.	Elec. E.	E. Mech.	E. Phys.	Gen. E.	Ind. E.	Mech. E.	Met. E.	Min. E.
354	18	6	14	68	118	9	16	16	20	60	7	2	
0-50 Employees	37 10.45% \$2261.	- - -	- - -	2 14.29% \$1900.	17 25.00% \$2148.	9 6.84% \$2522.	- - -	3 18.75% \$1666.	1 6.25% \$2120.	- - -	4 6.67% \$2750.	1 14.29% \$3000.	- - -
51-150 Employees	24 6.78% \$1743.	2 11.11% \$1696.	- - -	- - -	5 7.35% \$1513.	5 4.27% \$2247.	- - -	1 6.25% \$1600.	1 6.25% \$1435.	2 10.00% \$1750.	7 11.67% \$1645.	- - -	1 50.00% \$1600.
151-500 Employees	27 7.63% \$1784.	1 5.55% \$1400.	- - -	3 21.43% \$1592.	7 10.29% \$1477.	10 8.55% \$1799.	- - -	2 12.50% \$1821.	1 6.25% \$4000.	- - -	3 5.00% \$2002.	- - -	- - -
501-5000 Employees	68 19.21% \$1669.	4 22.22% \$1820.	2 33.33% \$1875.	2 14.29% \$1875.	12 17.65% \$1636.	20 17.09% \$1683.	2 22.22% \$1506.	4 25.00% \$1677.	3 18.75% \$1563.	3 15.00% \$1810.	14 23.33% \$1587.	1 14.29% \$1915.	1 50.00% \$1455.
5,000- 10,000 Employees	28 7.91% \$1552.	1 5.55% \$1000.	- - -	2 14.29% \$1198.	4 5.88% \$1687.	12 10.26% \$1612.	1 11.11% \$1600.	2 12.50% \$1300.	- - -	- - -	5 8.33% \$1555.	1 14.29% \$2000.	- - -
Over 10,000 Employees	170 48.02% \$1782.	10 55.55% \$1792.	4 66.67% \$1761.	5 35.71% \$1756.	23 33.82% \$1764.	62 52.99% \$1774.	6 66.67% \$1959.	4 25.00% \$1812.	10 62.50% \$1732.	15 75.00% \$1776.	27 45.00% \$1790.	4 57.14% \$1827.	- - -

THE 354 RESPONDENTS WHO ARE EMPLOYED ARE NOW EMPLOYED BY THE FOLLOWING COMPANIES

Abilene West 70 Auto/Truck Plaza, Incorporated	1 A.A.E.
Accutronics, Incorporated	1 E.E.
Acurex	1 M.E.
Agway, Incorporated	1 Ag. E.
Air Products and Chemicals, Incorporated	1 G.E.
Airesearch Manufacturing Company of Arizona	1 E.E.
Allied Contracting Company of Illinois	1 C.E.
Alstot March and Guillou, Incorporated	1 C.E.
American Stock Exchange, Incorporated	1 Ag. E.
Amoco Chemicals Corporation, Amoco Production	1 C.E.
Anaconda Corporation, Brass Division	1 Met. E.
Anheuser Busch, Incorporated	1 M.E., 1 E.E.
Argonne National Laboratory	1 E. Phys., 1 M.E.
Armstrong Cork Company	1 M.E.
Guy F. Atkinson	1 C.E.
Atols Tool and Mold Corporation	1 I.E.
Automotive Environmental Systems, Incorporated	1 G.E.
BTU Engineering Corporation	1 Cer. E.
Babcock and Wilcox	1 G.E.
Barber-Colman Company	2 E.E.
Barber Greene Company	1 G.E.
Battelle Memorial Institute	1 Cer. E.
Baxter Laboratories	1 M.E.
Bechtel Corporation	2 C.E., 1 E.E.
Beckman Instruments, Incorporated	1 E.E.
Beeline Fashions, Incorporated	1 E.E.
Beling Engineering Consultants	1 C.E.
Bell and Howell	1 I.E.
Bell System: (16)	
American Telephone & Telegraph	1 C.E., 1 I.E.
Bell Laboratories	2 E.E., 1 M.E.
Illinois Bell	2 E.E., 2 E. Mech., 1 G.E., 1 I.E.
Bell Teletype	1 E.E.
Western Electric Company	3 E.E., 1 Cer. E.
The Boeing Company	1 A.A.E., 2 E.E., 1 M.E.
Boeing Computer Services	1 E.E., 1 I.E.
Brown University	1 E. Mech.
Burroughs Corporation	1 E.E.
CTS Knights, Incorporated	1 E.E.
Cabot, Shaw Inc., California Silver Inc.	1 M.E.
The Carborundum Company	2 Cer. E.
Carnegie-Mellon University	1 E.E.
Carney, Trochuck, Fleming & Company, Incorporated	1 E.E.
Catching Engineering Company	1 M.E.

THE 354 RESPONDENTS WHO ARE EMPLOYED ARE NOW EMPLOYED BY THE FOLLOWING COMPANIES (Continued)

Caterpillar Tractor Co.	1 E.E., 1 C.E., 2 M.E., 1 Met. E.
Central Illinois Public Service Company	1 E.E.
Chicago, City of: (1)	
Department of Environmental Control	1 Cer. E.
Ciorba, Spies, Gustafson & Company	1 C.E.
C. P. Clare & Company	1 E.E.
Coded Communications Corporation	1 E.E.
Collins Radio Company	1 I.E., 1 E.E.
Colt Industries/Fairbanks Morse	1 M.E.
Combustion Engineering, Incorporated	1 E.E.
Commonwealth Edison Company	2 M.E.
Consolidated Aluminum Corporation	1 M.E.
Continental Can Company	1 Met. E.
Continental Illinois Corporation	1 C.E.
Control Data Corporation	1 E.E.
Cornell University	1 E.E.
Corning Glass Works	1 E.E.
Cumberland Company Highway Department	1 C.E.
Cummins Engine Company	1 M.E.
Cutler-Hammer, Incorporated	1 E.E.
Daily and Associates	1 C.E.
Data 100 Corporation	1 E.E.
Deere & Company: (3)	
John Deere Des Moines Works	1 Ag.E.
John Deere Dubuque Works	1 M.E.
John Deere Foundry	1 E.E.
Deleuw Cather & Company	1 C.E.
Delta Airlines	1 G.E.
D. DiOrio & Sons, Incorporated	1 C.E.
Distribution International, Incorporated	1 E.E.
Douglas County Highway Department	1 C.E.
E. I. Du Pont Company	1 I.E.
Eastman Kodak Company	1 E. Phys., 1 I.E., 1 M.E.
Elec-Tro-Tec, Incorporated	1 E.E.
Electronic Arrays	1 E.E.
Emerson Electric Company	1 I.E.
Energy Sciences, Incorporated	1 E.E.
Essex International, Incorporated	1 E.E.
Ethyl Corporation, Visqueen Division	1 E.E.
Exxon Company, U.S.A.	1 C.E.
FMC Corporation	1 C.E.
FMC Corporation, Chain Division	1 E.E.
Federal Sign & Signal Corporation	1 G.E.
Fiat-Allis	2 M.E.

THE 354 RESPONDENTS WHO ARE EMPLOYED ARE NOW EMPLOYED BY THE FOLLOWING COMPANIES (Continued)

Firestone Tire & Rubber	1 Ag. E.
Florissant Valley Community College	1 E.E.
Flynn & Emrich Company	1 Cer. E.
Food Industries Research & Engineering	1 M.E.
Ford Motor Company	1 A.A.E., 1 Cer. E., 3 M.E.
Fulton County Highway Department	1 C.E.
Futures Trading, Incorporated	1 E.E.
G & M Electrical Contractors	1 G.E.
GTE Corporation	
GTE Automatic Electric Laboratories	4 E.E.
GTE Satellite Corporation	1 C.E.
Gary, Juettner, Pigott & Cullinan	1 M.E.
General American Transportation	1 M.E.
General Cable Corporation	1 C.E.
General Electric Company	1 E.E., 1 E. Phys., 2 G.E., 1 I.E., 1 M.E.
General Electric, Medical Systems Division	1 E.E.
General Foods Corporation	1 I.E.
General Motors Corporation	1 E. Mech.
Delco Products	1 E.E.
Electro Motive Division	1 E.E., 1 M.E.
Fisher Body Division	1 G.E.
Packard Electric Division	1 M.E.
General Research	1 E.E.
Globe Engineering Company	1 M.E.
Globe Refractories	1 Cer. E.
Goodyear Tire & Rubber Company	1 M.E.
Greater Missouri Builders, Incorporated	1 E. Phys.
Griffin Wheel Company	1 M.E.
Guardian Industries	1 Cer. E.
William Rainey Harper Community College	1 E. Phys.
Harris Corporation, Electronics Systems Division	1 E.E.
Hewlett-Packard	1 E.E.
Hughes Aircraft Company	3 E.E.
Hughes Ground Systems Group	1 E.E.
Hughes Research	1 E. Phys.
Hughes Space & Communications	1 E.E.
Hunt-Wesson Food	1 I.E.
Hutcheon Engineers, Incorporated	1 C.E.
IBM	1 A.A.E., 1 C.E., 4 E.E., 2 E. Mech., 1 E. Phys., 1 G.E.
IIT Gillfillan	1 E.E.
Illinois Institute of Technology	1 E.E.
Illinois Power Company	1 E.E.
Illinois, State of: (9)	
Department of Transportation	7 C.E.

## THE 354 RESPONDENTS WHO ARE EMPLOYED ARE NOW EMPLOYED BY THE FOLLOWING COMPANIES (Continued)

Illinois, State of: (cont.)	
Law Enforcement Commission	1 E.E.
Office of Secretary of State	1 E. Phys.
Industrial Nucleonics Corporation	1 E.E.
Inland Steel Container	1 E.E., 2 M.E.
Intel Corporation	1 A.A.E.
International Harvester	1 M.E.
Johns-Manville, Holophane Division	1 M.E.
Edward D. Jones & Company	1 E.E.
Kaman Sciences	1 E. Phys.
Keystone Steel & Wire	1 Met. E.
Kiolani School	1 E.E.
Laicon, Incorporated	1 C.E.
Leco Corporation	1 E.E.
Eli Lilly & Company	1 G.E.
Lockheed Corporation:	
Lockheed Aircraft Company	1 A.A.E.
Lockheed Georgia Company	1 E.E.
Lockheed Missile	1 E.E.
Long-Lok Fasteners Corporation	1 M.E.
Los Alamos Scientific Laboratories	1 E. Phys.
MIT Lincoln Laboratory	1 A.A.E.
MacLean-Fogg Lock Nut Company	1 M.E.
Mark IV Investments	1 C.E.
McClelland Engineers	1 C.E.
McDonnell-Douglas Corporation: (11)	
Douglas Aircraft	1 A.A.E., 1 C.E.
McDonnell-Douglas Aircraft Corporation, St. Louis	4 E.E., 2 C.E., 1 A.A.E.
McDonnell-Douglas Aircraft Corporation, Huntington Beach	1 A.A.E.
McDonnell-Douglas Aircraft Corporation, Clear Lake City, Texas	1 E.E.
Meridian Trane Airconditioning Company, Incorporated	1 E.E.
Merrill Lynch, Pierce, Fenner & Smith	1 A.A.E.
Michigan, State of	1 C.E.
Michigan State University	1 C.E.
Midwesco-Enterprise, Incorporated	1 M.E.
Minder & Stocking, Incorporated	1 C.E.
Minnesota, Mining & Manufacturing (3M)	1 E.E., 1 M.E.
Modine Manufacturing	1 M.E.
Moore Business Forms, Incorporated	1 I.E.
Moorman Manufacturing Company	1 M.E.
Moraine Valley Community College	1 E. Phys.
Motorola, Incorporated	7 E.E., 1 M.E.,
Motorola, Communications Division	1 G.E.
Motorola, Semiconductor	1 E.E.

THE 354 RESPONDENTS WHO ARE EMPLOYED ARE NOW EMPLOYED BY THE FOLLOWING COMPANIES (Continued)

NCR Microelectronics	1 E.E.
NEI Corporation	1 C.E.
National Accelerator Laboratories	1 E.E.
National Mine Service Company	1 M.E.
New Mexico Institute of Mining & Technology	1 Min. E.
New York, City of:	1 C.E.
Gust K. Newberg Construction Company	1 E. Mech.
Ni-Tec Corporation	1 E. Phys.
Norris Industries	1 M.E.
Northern Indiana Public Service	1 E.E.
Northrop Services, Incorporated	1 E. Mech.
Frank Novotny & Associates, Incorporated	1 C.E.
O'Brien Corporation	1 G.E.
Ohio State University	1 E. Phys.
Oregon State University	1 C.E.
Owens-Corning Fiberglas	1 Cer. E.
Pacific Telephone	1 C.E.
Panduit Corporation	1 M.E.
Paradyne Corporation	1 E.E.
Peoples Gas Light & Coke Company	1 G.E.
Pioneer Service & Energy Company	1 C.E., 1 M.E.
Malcolm Pirnie, Incorporated	1 C.E.
Port of Oakland	1 A.A.E.
Power-Lift Corporation	1 M.E.
Pratt & Whitney Aircraft	1 M.E.
Proctor & Gamble	1 C.E.
Quaker Oats Company	1 I.E.
RCA Corporation	1 Cer. E., 1 E.E.
The Red Balloon Limited	1 C.E.
E. H. Richardson & Associates	1 C.E.
Roane State Community College	1 I.E.
Rockwell International	1 A.A.E., 2 E.E.
Samborn Steketee Otis & Evans, Incorporated	1 C.E.
San Francisco Redevelopment Agency	1 C.E.
San Luis Obispo, City of:	1 C.E.
San Mateo, City of:	1 C.E.
Sangamo Electric Company, Rixon Division	1 E.E.
Schless Construction Company	1 C.E.
Science Applications, Incorporated	1 A.A.E.
Service Bureau Company	1 E.E.
Shawnee Constructors, Incorporated	1 C.E.
A. O. Smith Corporation	1 E.E., 1 M.E.
Smith International, Incorporated	1 Ag. E.
Snorkel Fire Equipment Company	1 M.E.



## THE 354 RESPONDENTS WHO ARE EMPLOYED ARE NOW EMPLOYED BY THE FOLLOWING COMPANIES (Continued)

Spectradyne	1 E.E.
Sperry Univac	1 E.E.
A. E. Staley Manufacturing Company	1 C.E.
Standard Brands	1 I.E.
Struthers-Dunn, Incorporated	1 E.E.
Sun Electric Corporation	1 I.E.
Sundstrand Aviation, Hydro-Transmission Division	1 M.E.
TRW Systems, Incorporated	2 A.A.E., 2 E.E.
Technomic	1 M.E.
Texas Instruments	1 E.E., 1 I.E.
Thermo/Cense, Incorporated	1 E.E.
Topp-Tronics	1 Met. E.
Trane Company	1 M.E.
Turner Construction Company	1 C.E.
Union Special Corporation	1 M.E.
U.S. Government: (12)	
U.S. Army Systems Test Activity	1 A.A.E.
U.S. Army Corps of Engineers	2 C.E.
U.S. Bureau of Mines	1 E. Mech.
U.S. Defense Contract Administration & Services Region	1 I.E.
U.S. Department of Agriculture Soil Conservation Service	1 Ag. E.
U.S. Department of Commerce	1 E.E.
U.S. Mining Enforcement & Safety Administration	1 Min. E.
U.S. Naval Ordnance Laboratory	1 A.A.E.
U.S. Picatinny Arsenal	1 E. Phys.
U.S. Postal Service	1 I.E.
U.S. Puget Sound Naval Shipyard	1 E. Phys.
Universal Enterprises	1 E. Phys.
University Consulting & Ken Bourke Reality	1 E.E.
University of Illinois, Urbana/Champaign	1 M.E.
University of Illinois, Chicago Circle	1 C.E., 1 E.E.
University of Mississippi	1 E.E.
University of New Mexico	1 M.E.
University of South Carolina	1 C.E.
Van Laanen, Farr & Recka	1 Cer. E.
Ventura County	1 C.E.
Victor Comptometer Corporation	1 E.E.
Virginia Polytechnic Institute and State University	1 E.E.
Watkins Johnson	1 E.E.
Watwood & Pyle, Incorporated	1 C.E.
Weirton Steel Company	1 Met. E.
Wells Fargo Investment Company	1 Cer. E.
Western Traffic/Barrett Equipment	1 C.E.



## THE 354 RESPONDENTS WHO ARE EMPLOYED ARE NOW EMPLOYED BY THE FOLLOWING COMPANIES (Continued)

Westinghouse Electric Corporation	1 Met. E.
Westinghouse Electric Corporation, Aquatechnics	1 C.E.
Whirlpool Corporation	2 C.E.
White Motors Corporation	1 M.E.
Will County Produce Company	1 M.E.
Willett, Hofmann & Associates, Incorporated	1 C.E.
Wolf & Company	1 M.E.
Wrap-On Company, Incorporated	1 E.E.
Xerox Corporation	1 E.E.
Cheshire/A Xerox Corporation	1 E.E.
Zenith Radio Corporation	1 E.E.

PRESENT FIELD OF PRIMARY RESPONSIBILITY OF THE 1964 GRADUATES

Field	All Engineers	Percent	1974 Average Salary	Aero. E.	Ag. E.	Ceram. E.	Civil E.	Elec. E.	E. Mech.	E. Phys.	Gen. E.	Ind. E.	Mech. E.	Met. E.	Min. E.
Management or Administration	78	22.03%	\$1937.	1 \$2070.	2 \$1875.	2 \$2075.	18 \$1870.	24 \$1988.	2 \$2400.	2 \$1604.	4 \$1703.	10 \$1963.	11 \$1940.	2 \$1957.	- -
Design & Development	44	12.43%	1649.	2 1713.	- -	- -	3 1666.	26 1653.	1 1630.	- -	1 1830.	- -	11 1610.	- -	- -
Project Engineering	27	7.63%	1571.	1 1750.	- -	1 1441.	7 1472.	9 1624.	- -	- -	1 1435.	1 1500.	7 1624.	- -	- -
Research	27	7.34%	1688.	2 1948.	- -	1 2100.	3 1553.	6 1725.	4 1640.	6 1611.	- -	1 1400.	2 1681.	2 1755.	- -
Sales	21	5.93%	1996.	1 1000.	- -	2 1735.	3 2550.	5 2130.	- -	- -	2 2000.	- -	8 1894.	- -	- -
Company Owner	17	4.80%	3017.	1 1733.	- -	- -	5 2633.	5 3680.	- -	2 2000.	1 4000.	- -	2 3500.	1 3000.	- -
Design	14	3.95%	1509.	- -	- -	- -	5 1526.	6 1527.	- -	- -	1 1385.	- -	2 1477.	- -	- -
Teaching	13	3.67%	1577.	- -	- -	- -	3 1528.	4 1588.	1 1600.	2 1800.	- -	- -	2 1381.	- -	1 \$1600.
Computer Software	12	3.39%	1664.	1 1707.	- -	- -	1 1600.	9 1673.	- -	- -	- -	- -	1 1600.	- -	- -
Systems Engineering	11	3.11%	1701.	3 1906.	- -	- -	- -	5 1683.	- -	1 1650.	- -	1 1455.	1 1470.	- -	- -
Construction	10	2.82%	1668.	- -	- -	- -	8 1688.	1 1400.	1 1775.	- -	- -	- -	- -	- -	- -
Consulting	10	2.82%	1706.	- -	- -	- -	5 1606.	2 1540.	- -	- -	- -	- -	3 1983.	- -	- -
Manufacturing	10	2.82%	1507.	- -	- -	2 1553.	1 2040.	2 1010.	- -	1 1300.	1 1800.	1 1530.	2 1638.	- -	- -
Development	8	2.26%	1805.	1 1650.	1 1730.	- -	- -	3 1802.	- -	1 1600.	- -	- -	1 1855.	1 2200.	- -
Planning	8	2.26%	1692.	1 1400.	3 1772.	- -	- -	1 2000.	- -	- -	1 1400.	1 1700.	1 1720.	- -	- -

(Continued on following page.)

## PRESENT FIELD OF PRIMARY RESPONSIBILITY OF THE 1964 GRADUATES (Continued)

Field	All Engineers	Percent	1974 Average Salary	Aero. E.	Ag. E.	Ceram. E.	Civil E.	Elec. E.	E. Mech.	E. Phys.	Gen. E.	Ind. E.	Mech. E.	Met. E.	Min. E.
Operations Research	5	1.41%	\$1658.	2 \$1721.	-	-	1 \$1800.	-	-	-	-	2 \$1525.	-	-	-
Production	4	1.13%	1367.	-	-	-	-	1 \$1425.	-	-	1 \$1345.	1 1200.	1 \$1500.	-	-
Quality Control	4	1.13%	1610.	-	-	-	1 1540.	-	-	1 \$1742.	1 1560.	-	-	1 \$1600.	-
Service	4	1.13%	1453.	-	-	1 \$1166.	1 1410.	-	-	-	-	-	2 1618.	-	-
Law	4	1.13%	1850.	-	-	1 1500.	-	2 1950.	-	-	-	-	1 2000.	-	-
Field Engineering	3	.85%	1482.	-	-	1 1446.	1 1500.	1 1500.	-	-	-	-	-	-	-
Testing	3	.85%	1612.	1 1660.	-	-	-	2 1588.	-	-	-	-	-	-	-
Purchasing	3	.85%	1701.	-	-	1 1595.	-	2 1755.	-	-	-	-	-	-	-
Plant Engineer	2	.56%	1400.	-	-	-	-	1 1600.	-	-	-	-	1 1200.	-	-
Analysis	2	.56%	1850.	-	-	1 2300.	-	-	-	-	-	-	1 1400.	-	-
Marketing	2	.56%	1945.	-	-	-	1 1690.	-	-	-	-	1 2200.	-	-	-
Finance	2	.56%	1620.	1 1541.	-	-	-	1 1700.	-	-	-	-	-	-	-
Regulatory Function	1	.28%	1455.	-	-	-	-	-	-	-	-	-	-	-	1 \$1455.
Technical Support	1	.28%	1900.	-	-	-	-	-	-	-	-	1 1900.	-	-	-
Traffic Engineer	1	.28%	1611.	-	-	-	1 1611.	-	-	-	-	-	-	-	-

(Continued on following page.)

## PRESENT FIELD OF PRIMARY RESPONSIBILITY OF THE 1964 GRADUATES (Continued)

Field	All Engineers	Percent	1974 Average Salary	Aero. E.	Ag. E.	Ceram. E.	Civil E.	Elec. E.	E. Mech.	E. Phys.	Gen. E.	Ind. E.	Mech. E.	Met. E.	Min. E.
Accounting	1	.28%	\$1803.	-	-	-	-	-	-	-	1 \$1803.	-	-	-	-
Process Engineer	1	.38%	1230.	-	-	1 \$1230.	-	-	-	-	-	-	-	-	-
Pilot	1	.28%	2200.	-	-	-	-	-	-	-	1 2200.	-	-	-	-
Totals Average Salary	354	100.00%	\$1789.	18 \$1722.	6 \$1799.	14 \$1678.	68 \$1785.	118 \$1815.	9 \$1818.	16 \$1675.	16 \$1848.	20 \$1778.	60 \$1781.	7 \$2032.	2 \$1527.

## PRESENT LEVEL OF RESPONSIBILITY OF THE 1964 GRADUATES

	All Engineers	Aero. E.	Ag. E.	Ceram. E.	Civil E.	Elec. E.	E. Mech.	E. Phys.	Gen. E.	Ind. E.	Mech. E.	Met. E.	Min. E.
All Engineers	354	18	6	14	68	118	9	16	16	20	60	7	2
Supervise a Small Group	125 35.31% \$1625.	11 61.11% \$1623.	2 33.33% \$1783.	5 35.71% \$1562.	9 13.23% \$1580.	48 41.02% \$1565.	4 44.44% \$1737.	10 62.50% \$1699.	6 37.50% \$1862.	6 30.00% \$1519.	20 33.33% \$1667.	2 28.57% \$1995.	2 100.00% \$1527.
Individual in a Group	105 29.66% \$1661.	3 16.67% \$1872.	2 33.33% \$1740.	3 21.43% \$1612.	26 38.23% \$1563.	35 29.91% \$1703.	3 33.33% \$1581.	1 6.25% \$1300.	6 37.50% \$1949.	4 20.00% \$1655.	20 33.33% \$1643.	2 28.57% \$1517.	- - -
Manage Major Group or Department	72 20.34% \$1899.	2 11.11% \$1945.	2 33.33% \$1875.	3 21.43% \$2083.	16 23.53% \$1895.	22 17.95% \$1895.	1 11.11% \$2900.	- - -	3 18.75% \$1527.	5 25.00% \$1800.	16 26.67% \$1878.	2 28.57% \$2100.	- - -
Plant Manager or Superin- tendent	12 3.39% \$1832.	- - -	- - -	2 14.29% \$1553.	5 7.35% \$1653.	1 .85% \$2187.	1 11.11% \$1775.	- - -	1 6.25% \$2120.	2 10.00% \$2270.	- - -	- - -	- - -
Top Executive	22 6.21% \$2889.	1 5.55% \$1733.	- - -	- - -	5 7.35% \$2532.	9 7.69% \$3386.	- - -	2 12.50% \$2104.	- - -	2 10.00% \$2250.	2 3.33% \$3500.	1 14.29% \$3000.	- - -
Branch Manager	5 1.41% \$2120.	- - -	- - -	1 7.14% \$1500.	1 1.47% \$3600.	1 .85% \$1500.	- - -	1 6.25% \$2000.	- - -	- - -	1 1.67% \$2000.	- - -	- - -
Individual in Private Practice	4 1.13% \$1753.	- - -	- - -	- - -	1 1.47% \$1690.	2 1.71% \$1862.	- - -	- - -	- - -	- - -	1 1.67% \$1600.	- - -	- - -
Other	9 2.54% \$1774.	1 5.55% \$1900.	- - -	- - -	5 7.35% \$1995.	- - -	- - -	2 12.50% \$1150.	- - -	1 5.00% \$1792.	- - -	- - -	- - -

HOW MANY ENGINEERS AND SCIENTISTS WORK IN THE ORGANIZATIONAL UNIT  
TO WHICH YOU BELONG IN YOUR CURRENT MAJOR POSITION?

	All Engineers	Aero. E.	Ag. E.	Ceram. E.	Civil E.	Elec. E.	E. Mech.	E. Phys.	Gen. E.	Ind. E.	Mech. E.	Met. E.	Min. E.
None	44 12.43%	2 11.11%	1 16.67%	3 21.43%	9 13.23%	14 11.96%	1 11.11%	2 12.50%	3 18.75%	1 5.00%	8 13.33%	- -	- -
1-3	61 17.23%	3 16.67%	- -	3 21.43%	13 19.12%	17 14.53%	3 33.33%	2 12.50%	2 12.50%	8 40.00%	9 15.00%	1 14.29%	- -
4-10	97 27.40%	2 11.11%	4 66.67%	4 28.57%	23 33.82%	30 24.78%	1 11.11%	3 18.75%	6 37.50%	7 35.00%	13 21.67%	2 28.57%	2 -
11-20	53 14.97%	5 27.78%	- -	1 7.14%	8 11.76%	16 13.67%	- -	5 31.25%	2 12.50%	1 5.00%	14 23.33%	1 14.29%	- -
21-50	55 15.54%	4 22.22%	- -	2 14.29%	9 13.23%	18 15.38%	4 44.44%	3 18.75%	2 12.50%	2 10.00%	10 16.67%	1 14.29%	- -
51-100	25 7.06%	- -	1 16.67%	1 7.14%	5 7.35%	10 8.55%	- -	- -	- -	- -	6 10.00%	2 28.57%	- -
101-300	12 3.39%	1 5.55%	- -	- -	- -	11 9.40%	- -	- -	- -	- -	- -	- -	- -
Over 300	7 1.98%	1 5.55%	- -	- -	1 1.47%	2 1.71%	- -	1 6.25%	1 6.25%	1 5.00%	- -	- -	- -
Total	354	18	6	14	68	118	9	16	16	20	60	7	2

## QUESTION CONCERNING THE VALUE OF ADDITIONAL DEGREES

QUESTION: Rank in order (1, 2, 3) the value of additional degrees which you feel would be the most valuable to you.

	Order of Importance		
	1st	2nd	3rd
M.B.A.	140 39.55%	63 17.80%	24 6.78%
Ph.D. in Original Field	43 12.15%	44 12.43%	37 10.45%
Law	43 12.15%	85 24.01%	37 10.45%
Ph.D. in Other Technical Field	22 6.21%	37 10.45%	68 19.21%
M.S. in Original Field	15 4.24%	21 5.93%	31 8.76%
M.S. in Other Technical Field	15 4.24%	14 3.95%	25 7.06%
Other	19 5.37%	21 5.93%	22 6.21%
No Choice Listed	57 16.10%	69 19.49%	110 31.07%
Total	354	354	354

## MILITARY SERVICE AFTER GRADUATION IN 1964 AND ITS EFFECT ON SALARIES IN 1974

(Does not include those presently in military service.)

		No Military Service			6 Months or Less			1 Year			2 or More Years		
	Total Employed	Number Employed	Percent	1974 Average Salary	Number Employed	Percent	1974 Average Salary	Number Employed	Percent	1974 Average Salary	Number Employed	Percent	1974 Average Salary
All Engineers	354	300	84.74%	\$1794.	10	2.82%	\$1849.	2	.56%	\$1510.	41	11.58%	\$1727.
Aero. E.	18	16	88.89%	\$1787.	-	-	-	-	-	-	2	11.11%	\$1200.
Ag. E.	6	5	83.33%	\$1689.	-	-	-	-	-	-	2	33.33%	\$2675.
Ceram. E.	14	14	100.00%	\$1678.	-	-	-	-	-	-	-	-	-
Civil E.	68	51	75.00%	\$1828.	3	4.41%	\$2205.	2	2.94%	\$1510.	12	17.65%	\$1541.
Elec. E.	118	107	90.60%	\$1782.	1	.85%	\$1360.	-	-	-	10	8.55%	\$2215.
E. Mech.	9	6	66.67%	\$1831.	1	11.11%	\$1900.	-	-	-	2	22.22%	\$1740.
E. Phys.	16	15	93.75%	\$1653.	-	-	-	-	-	-	1	6.25%	\$2000.
Gen. E.	16	13	81.25%	\$1793.	-	-	-	-	-	-	3	18.75%	\$2086.
Ind. E.	20	13	65.00%	\$1874.	3	15.00%	\$1933.	-	-	-	4	20.00%	\$1350.
Mech. E.	60	52	86.67%	\$1811.	1	1.67%	\$1365.	-	-	-	6	10.00%	\$1381.
Met. E.	7	7	100.00%	\$2032.	-	-	-	-	-	-	-	-	-
Min. E.	2	1	50.00%	\$1600.	1	50.00%	\$1455.	-	-	-	1	50.00%	\$3000.



QUESTIONS CONCERNING PRESENT POSITION AND ITS RELATION TO THEIR UNDERGRADUATE DEGREES

QUESTION: To hold your present position, is it important for you to have an engineering degree?

Yes	289	81.64%
No	<u>65</u>	<u>18.36%</u>
Total	354	100.00%

QUESTION: How much knowledge and skill, related to your undergraduate degree, do you apply in your present position?

Most or all	92	25.99%
Some	179	50.56%
Very little	68	19.21%
None	<u>15</u>	<u>4.24%</u>
Total	354	100.00%

QUESTION: On the average, how many hours do you spend on your job each week?

30 hours or less	3	.85%
31-40 hours	77	21.75%
41-45 hours	137	38.70%
46-50 hours	85	24.01%
51 or more hours	<u>52</u>	<u>14.69%</u>
Total	354	100.00%

QUESTION: If you have not received an advanced degree and are not working toward one, do you feel that this has been a limiting factor in your progress with your company and in your work?

Yes	18 <sup>1</sup>	5.08%
No	130	36.72%
No Answer	<u>207</u>	<u>58.20%</u>
Total	354	100.00%

<sup>1</sup>Reasons given by the 18 who answered "yes":

3--No reason given.

"Would quicken advancement."

"Large company promotes and gives raises based on formal education."

"Haven't kept up-to-date with latest technology."

"Improved credentials usually aids advancement."

"M.B.A. helpful in management advancement."

"A better business background would help me to understand corporate strategies and product plans."

"Increased competence or knowledge could open more opportunities for advancement."

"An advanced degree replaces about five years of on-the-job experience."

"To stay competitive for higher positions."

"Company is very much oriented towards advanced degrees."

"The advanced degree is a requirement for the higher position."

"An M.B.A. would have moved me into management faster. I think it would not be as important if companies would pay as well for technical competence as they do department managers."

"To make my qualifications and performance more effective, either more education in finance and management or electrical engineering could open two paths towards becoming a supervisory candidate."

"Additional business management education would have better prepared me to work for a large corporation."

"Company policy requires M.B.A. for rapid advancement."

## QUESTIONS CONCERNING UNDERGRADUATE CURRICULUM

QUESTION: If you had it to do all over again, would you choose:

217	61.30%	A specialized undergraduate engineering curriculum (e.g., M.E., E.E., etc.)
45	12.71%	Another type of undergraduate professional curriculum (e.g., pre-law, medicine)
44	12.43%	A common undergraduate engineering curriculum (no specialization)
17	4.80%	A business administration curriculum
17	4.80%	Other
11	3.11%	Another type of curriculum in mathematics or physical science (e.g., phys.,chem.)
3	.85%	A liberal arts curriculum
354	100.00%	

## QUESTIONS CONCERNING RECOMMENDATION

QUESTION: Based on the engineering field as you see it, would you encourage a capable high school student to choose engineering as a career?

Yes	276	77.97%
No	74	20.90%
No Answer	4	1.13%
Total	354	100.00%

QUESTION: Has your work in the field of engineering been personally satisfying?

Yes	303	85.60%
No	42	11.86%
No Answer	6	1.69%
Yes and No	3	.85%
Total	354	100.00%

# QUESTIONS CONCERNING PROFESSIONAL DEVELOPMENT

QUESTION: Have you become registered as:

1. Professional Engineer	102	28.81%
2. Engineer-in-Training	40	11.30%
3. Structural Engineer	2	.56%
4. Surveyor	9	2.54%
5. None of the above	218	61.58%

QUESTION: Have you participated in any company professional or management programs?

Yes	221	62.43%
No	125	35.31%
No Reply	8	2.56%
	<u>354</u>	<u>100.00%</u>

QUESTION: Have you held an office in any of the following organizations?

1. Professional organization	74	20.90%
2. School board	8	2.26%
3. Church	80	22.60%
4. Service clubs	39	11.02%
5. Boy Scouts or other youth groups	45	12.71%
6. Political	11	3.11%
7. None of the above	168	47.46%









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